

Howland - KH1 Jim Smith and company wrapped up a successful KH1 DXpedition this past week. They were active on all bands and modes, including 6 meters. The pileups seemed quite orderly. QSL to HIDXA, Box 90, Norfolk Island, South Pacific 2899. A small contribution toward the high costs of the trip would be greatly appreciated. (Use separate envelopes for Jim's T30JS cards.)

Kingman/Palmyra - KH5 All plans are still on target for this major DXpedition. The group intends to leave Christmas Island T32 on April 22 or 23 for the short cruise to Kingman. If weather precludes landing at Kingman, they'll start with Palmyra. Calls are K9AJ/KH5K on Kingman, and WØRLX/KH5 on Palmyra. QSL to WA2MOE.

Edited by Chod Harris VP2ML

The DX Bulletin

America's Premier Weekly Amateur Radio Publication

Maldives - 8Q7 Bob DA2ER plans to operate from the Maldives April 19-May 11. No call yet assigned. QSL to W8IMZ.

South Georgia - VP8 Ricardo CX2CS reports that the Uruguay DX Group's attempt to operate from South Georgia failed because of the lack of suitable transportation. They obtained licenses and landing permission, but could not locate a boat to take them out to the islands for less than US\$100,000. Anyone with any suggestions for next year should contact Ricardo at Box 20063 UPAE, Montevideo, Uruguay.

Tuvalu - T2 In a very early "Reserve Your Island," Jim K8JRK will operate from Tuvalu for CQWW SSB in October. His trip will include F00 after the test.

April 8, 1988

RTTY Report

- 3B8CS is on ARQ on 14081 kHz at 0900Z.
- TI2PI has been on 14090 kHz at 0600Z.
- 9J2KF likes 14081 kHz at 2300Z.
- P43SF is often on 14090 kHz at 2200Z.
- EL7D was on 14076 kHz ARQ at 2030.
- VP2EZ has been on 14091 kHz at 2200Z.
- BY1CK on 14090 kHz at 0940Z is on 45 baud as well as 50.
- J6LGH is on 14085 kHz at 1200Z. QSL WA4WIP.
- DJ6QT/3A was on a few days. QSL DJ6QT.
- A35SA is loud on 14090 kHz at 0700Z.
- BV2B is on AMTOR at 14080 kHz at 1030Z.
- CN8FA is on 14090 kHz at 0800Z.
- J52US has been on 21090 kHz at 1400Z.
- VP2MHD shows up on 14090 kHz at 2130Z. [QSL route needed; any help?]
- RTTY frequencies of the Kingman/Palmyra DXpedition will be 14085 kHz listening 14091, and 7040 kHz, listening 7045.
- UV9FM is in Zone 17, not 18. Sorry.

Special Events

Several stations will participate in International Marconi Day April 23. Calls are GB4IMD, VO1IMD, VE1IMD, EI2IMD, IY4IMD, and K1VV/IMD. Work 5 of the 6 and send 3 IRCS to Cornish ARC, Box 100, Truro, Cornwall, England for a certificate.

The Israel Amateur Radio Club will field four special stations April 3-10, in honor of the 40th anniversary of Israel: 4Z40I, 4X40A, 4X40R, and 4Z40C. Work them for a certificate from the club at Box 4099, Tel-Aviv 61040, Israel, with 6 IRCS.

Shortly Noted

- SX1RAAG will be on through the end of June, in honor of the 30th anniversary of the Greek radio association, RAAG.
- Tom Gregory will be active as TL8TG, primarily on CW, in mid-April.
- For 9Q5NW on 160 meters, watch 1827.5 kHz at his sunrise (about 0420Z). Tom listens for SSB on 1818 and for CW on 1831-33 kHz.
- Swaziland has a new prefix: 3DA0, replacing 3D6. An unnamed Swede wants to operate 160 meters from the shack of 3DA0AX (ex-3D6BU) April 9-10. And some of the 3DA0 gang hope to be on RTTY soon.
- Mike NS7Z is in China, and gets on as much as he can, especially from BY1QH on 40 meter CW (see Bandpass.) QSL Mike's contacts only to his home call.
- 20 meter SSB net regulars include TL8HW, J28E0, 1Z9B, and 9X5AA.
- XE2HUM/XF4 was 200 yards off shore: counts for maritime mobile.
- Gerry 5X5GK had to leave Uganda in a hurry, after a short jail stay.

PROPAGATION

Forecast and Historical Data

Day Forecast	27 Days Before			55 Days Before				
	Date	Flux A	K	Date	Flux A	K		
8 High Nor	3/12	105	09/12	3	2/13	106	15/19	3
9 Low/Below	3/13	109	07/07	2	2/14	105	05/10	0
10 High Nor	3/14	112	10/18	3	2/15	103	15/26	4
11 Low Normal	3/15	119	18/12	4	2/16	104	12/21	4
12 Low Normal	3/16	121	19/23	2	2/17	109	10/18	3
13 High Nor	3/17	119	09/14	1	2/18	115	12/18	3
14 High Nor	3/18	117	08/12	2	2/19	112	08/09	2
15 High Nor	3/19	118	04/11	1	2/20	109	03/08	1
16 High Nor	3/20	115	04/11	0	2/21	107	17/49	3
17 High Nor	3/21	119	01/09	0	2/22	107	70/123	5
18 High Nor	3/22	118	03/11	1	2/23	103	27/48	2

Thanks N4XX, KH6BZF, and Space Environment Services.

Propagation Watch

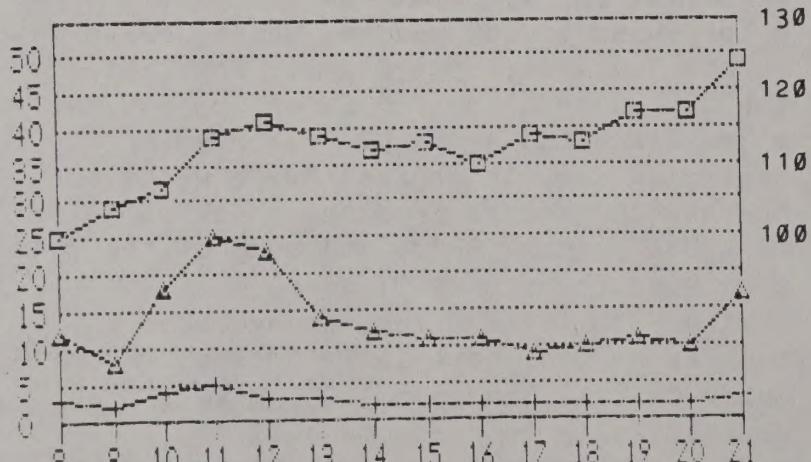
Some good and bad propagation forecasts for the next few weeks. Based on the last solar revolution, we can expect pretty good band conditions over much of the next two weeks, with the exception of April 11-12. Absorption is likely to increase those days, dampening DXing.

For about the next week, we can look forward to a return of the excellent band conditions we enjoyed in mid-late March. Flux should remain high, near 120, with very low absorption figures. Look for great long-haul and long-path openings, high-latitude 10 meter openings, and worldwide DX on 15 meters. 20 should stay open far into the night, unless the sun throws us another curve.

Make the most of the week of April 13-20, as we can expect a return to the stormy conditions of late March about April 21. For the week ending Apr. 2, for example, the planetary A index didn't drop below 20, and averaged about 40. That eliminated all but north-south openings of 10, and takes away the DX-rich polar path.

Note that the major disturbance of Feb. 22 was not repeated the next solar revolution. Instead, we had great band conditions, 27 days after a major storm, when you would least expect good bands. But who's going to argue about good news, especially when the bands are as good as they have been recently.

Always check WWV at 18 minutes after the hour, and try some CQs on the higher bands before assuming that there is no propagation. You'll more likely to be rewarded than disappointed, especially the way this sunspot cycle 22 is going.



Solar flux (squares, scale at right), Planetary A index (triangles) and Planetary 1800Z K Index (crosses, scale at left) for 27 days prior to dates given. Thanks Space Environment Services Center.

Congo - TN, Soon

One of the most elusive of the Terrible T's should be on the air, and very workable, by the end of April. Tom Gregory N4NW has been trying for the past year to get a license in the Congo. He has made frequent trips from his base in Kinshasa, Zaire, across the Zaire River to Brazzaville, the capitol of the Congo. The many trips are finally bearing fruit, as Tom recently had an interview with the assistant minister of national security concerning his license application. The minister agreed to direct the PTT to issue a private amateur radio license to Tom. He requested the callsign TN4NW.

Tom returns to Zaire on April 10, and expects to have operating permission in hand around the end of April. He has already lined up a suitable location in Brazzaville for his operation, which will be on one or two weekends a month, through June.

At first, he will put up a KLM vertical for 10-40 meters, and perhaps an 80 meter dipole (160 meters will probably not be in the operating permission.) He's looking for a small beam to help the signal; anyone who can help should contact his QSL manager, AL7EL.

To operate from the Congo, Tom and Duncan 9Q5DA will hire a boat to take them across the river on Friday evening, and operate much of the time until mid-day on Sunday, when they'll return to Zaire. CW will be 25 kHz up, listening up, and SSB on 7043, 14145 and 14180, 21250, and 28495 kHz, all split. A computer dueling program will speed QSLs, but will also spot unnecessary "insurance" contacts on the same band.

These weekend mini-DXpeditions will not be cheap. The trips will cost about US\$150/day for each of the operators. Plus the license fee alone was US\$700! Tom has requested support from the NCDXF, but obviously needs additional financing to keep TN on the air. Any donations can be sent to AL7EL.

QSLs can be sent to AL7EL, but KC4NC will have a copy of the computerized log. Tom asks for a donation of \$1 rather than a repeat QSL request. Cards via the bureau should be sent to Tom's stateside call: N4NW, to avoid overloading the KL7 bureau. He'll handle bureau cards upon his return to the States in October.

Congo presently ranks #35 on The DX Bulletin's 1987 Most Wanted list, with 36% of respondents needing TN. It appears that Tom's hard work (and considerable expense) will finally pay off this Spring, and TN will move well down the Most Wanted list.

*****Advertisement*****

Austin Texas QTH of N5CQ: 4 bedroom, 2 bath, 2000 square foot home: CA/CH, 2 car garage, two fireplaces, large fenced lot with oaks, fully landscaped, garden, near schools, near IBM, TI, 3M, MCC; also convenient to MOTOROLA, TRACOR, LOCKHEED, and SEMATECH, others. Great elevation, professionally installed 80' Rohn 45G, A4, T2X, 4th bedroom hamshack with 220, 2 phone lines. Call John Langdon N5CQ at 512-250-9032.

Spanish DX Convention

The Lynx DX Group is celebrating their 10th anniversary by holding an international DX convention June 10-12 at the Hotel Alameda in Madrid, Spain. The program includes many DX heavyweights, such as EA8AK, ON4UN, DJ9ZB, OH2BH, F6EXV, Naama SØRASD, and many more. Besides details of the Lynx DX Group's DXpedition to SØRASD, topics will be Kingman and Palmyra, Low Band DXing, Peter I Island, and more.

Registration fee is 1,000 pesetas. Reservations to Enrique Herrera Arce EA5AD, Apartado 219, 03500 - Benidorm, Alicante, Spain, telephone 96-5851142 or 96-5864510.

THE DX BULLETIN

BANDPASS

Reports Wanted,
Especially RTTY, 30 meters

RTTY

3A/ 14090 1528 25 CA
DJ6QT*

3C1MB 14081 2035 20 NH

9H1ED 14088 2208 23 NH

9J2KF 14082 0250 25 MN

A22BW 14084 2113 19 CO

AP2SQ 14091 0243 23 NH

CN8BX 14091 2254 17 OH

DU1AUJ 14085 1415 20 CO

EA8BLZ 21098 2022 26 NH

FK8FO 14083 0450 27 OH

F05LQ 14091 1655 26 CA

FY5AU 14099 2338 16 OH

J6LGH 14090 1255 27 MS

KH1/NO1Z 14094 1510 30 CA

LX2CP 14088 1442 19 CO

P43SF 14093 1236 25 NH

PZ1BS 14082 0130 31 CA

UA3TN 14095 0340 20 CO

UA9FBV 14095 1313 19 CO

UV9FM 14086 0403 25 CO

VK2FBV 28088 0150 1 CA

VK2KM 14097 1308 25 NH

VK7AE 14085 1310 26 OH

VU2NR 14092 0106 26 CO

Y79XN 14083 1953 20 CO

40 Meters

5H1HK 7001 1437 30 OR
9M2FP 7006 1420 25 CA
9Q5DA 7006 0556 19 NH
9V1VS 7004 1050 27 MA
A35WJ 7006 1204 21 NH
BV2FA 7003 1424 26 OR
BY1QH 7002 1058 27 MA
CI8CW 7005 1016 22 NH
CX1TE 7162 0730 2 CA
FT8ZB 7003 1245 24 OR
KH2F 7003 1053 24 MN
T22VU 7004 1140 27 MA
UA0SAU 7006 1104 1 FL
ZL7TZ 7013 0701 16 NH

20 Meter CW

3B8DA 14022 0312 17 GA
3B9FR 14008 1613 26 OR
4S7EA 14010 0142 24 MO
4S7WP 14025 0140 23 CA
4U/OH6XY 14018 0035 1 FL

Syria

5K7U 14006 2226 28 VT
9L1GG 14020 2118 28 VT
9M2FT 14017 0045 24 MA

A4XJZ 14036 0257 25 OR
A4XJZ 14006 0345 25 CA

BT0LS 14023 1020 30 OR

BY1QH 14025 1401 28 VT

BY9GA 14026 0001 23 MA

CN2AQ 14032 0440 25 CA

FK8FN 14010 0540 26 OR

FT5ZB 14025 0240 25 CA

JT/OK1XC 14006 0025 23 MA

JW0B 14020 0045 22 MA

OY7ML 14027 1126 24 NJ

OY9JD 14007 0008 27 VT

RI9AAM 14005 0435 25 MD

RJ8JDV 14056 1310 23 NH

RZ10WA 14015 2305 22 OR

RZ10WA 14045 0330 25 MD

T47CW 14004 0001 27 OR

TA4A 14023 0125 23 OR

TF3SZ 14007 2352 24 MN

TU4GR 14027 0037 1 FL

TU4GR 14003 0132 25 OR

U7FA 14013 0034 1 FL

U8BQ 14013 0418 24 KY

UA1/ 14024 0055 25 MO

UA0BDU

UA9XAB 14007 0410 24 KY

UI8AFA 14015 0134 24 MN

UI8AG 14032 0230 26 MO

UI8AHU 14020 1709 22 ID

UI8AHU 14026 1414 26 PA

UI9GWA 14027 0229 28 FL

UL7JAO 14013 0357 25 PA

UL7Q/ 14056 1320 23 NH

UM8MBX

UL7VA 14026 0120 25 MN

UM8CE 14016 0110 23 OR

XF4/ 14044 1456 29 OR

20 Meter SSB

XE2HUM

YN3CC 14022 2321 29 FL

ZB2BB 14005 1645 22 ID

ZD9A 14027 2230 24 FL

-----20 Meter SSB-----

1Z9A 14185 1509 21 NY

1Z9B 14175 1458 28 OR

3B8CF 14242 0355 24 MT

3B8DA 14223 0311 24 MO

3B9FR 14183 1905 23 NH

3D2ER 14270 0621 27 MO

3V1ALI 14172 2142 24 NC

5B4WL 14195 0118 25 OR

5U7/ 14234 2253 18 ON

TU4BR 14124 0150 19 GA

5W1TT 14192 0341 30 OR

9N1MC 14165 1220 24 MA

9N1MM 14183 0044 1 MA

9N1MM 14236 0034 24 OH

9X5AA 14182 2131 22 NH

A4XKB 14216 0346 24 NY

A92BE 14212 2250 25 MI

AP2AU 14191 0115 25 MO

AP2MQ 14182 0158 24 MN

AX9LX 14175 0556 26 WA

C31LHK 14180 1200 21 NY

CY0SAB 14207 0035 23 AZ

CY0SAB 14206 0115 24 MO

DU9RG 14186 1206 24 NY

FK8FR 14219 1058 25 MN

JT/ 14157 0420 24 IA

OK1XC

JT0NP 14220 0258 24 FL

JT1BG 14185 0121 23 NY

JT1BG 14208 0350 25 CO

JT1BJ 14171 0408 25 OR

JT1KAA 14188 0415 19 GA

JY5CH 14160 0008 24 OH

KX6LJ 14210 0305 28 MA

OY9A 14183 2011 21 VA

P29PL 14278 0623 27 MO

RW0YF 14210 1303 25 MA

S0RASD 14224 2230 26 MO

SU1ER 14183 2135 24 NH

T25TT 14194 1210 21 NY

T47DX 14179 0129 26 MA

UG7GWO 14183 1853 25 NC

UJ8JCM 14212 0318 24 MO

UL7OB 14165 0312 23 MN

UM8MK 14210 1347 22 NY

UM8NZ 14208 0340 21 CA

VP2ML 14225 0313 27 GA

VR6TC 14272 0445 27 OH

VU2TJW 14182 0144 25 MI

XU1SS 14165 1330 23 IA

YB2AQL 14166 1549 27 MI

ZD8HCF 14190 2326 19 MA

ZK2JT 14220 0300 30 CA

-----15 Meter CW-----

4S7/ 21008 1600 20 MD

JA8DOK

4U/OH6XY 21047 1645 24 NH

7X2ARA 21060 1400 25 NH

9L1GG 21003 2209 14 GA

FO0BY 21036 0102 26 IL

FO8AA 21020 0050 31 FL

JY5EA 21053 1600 18 GA

KH1/ 21021 1833 29 CA

VK9NL

OY1CT 21025 1509 18 GA

RI9AAB 21036 0325 23 CA

RV0YF 21022 0300 22 CA

Zone 23

S0RASD 21034 1830 24 OR

T77C 21023 1940 23 MT

TA2J 21018 1154 27 PA

TR8CR 21005 1313 22 PA

U0AL 21010 0210 25 KY

UA0YO 21012 0325 22 CA

Zone 23

UF6QAE 21006 1120 23 NJ

UF6QAW 21005 1232 25 MA

UI9AWX 21017 1325 25 PA

UJ8XDH 21076 1417 22 NH

UL7BEH 21009 1254 22 MA

UL8PZZ 21004 1232 25 MA

VP2MET 21007 2010 24 NM

21032 1340 25 GA

VU2TJW 21035 1310 23 GA

YN3CC 21029 2252 27 VT

ZB2EO 21009 1900 24 MN

ZL7TZ 21015 0150 25 CA

-----15 Meter SSB-----

5H1HK 21311 2051 24 OR

5H3RB 21307 1835 28 CA

5T5RA 21315 0022 26 NY

5Z4MR 21282 1925 14 GA

7P8DP 21311 1858 20 MD

9J2DS 21246 2043 24 OR

CN8FB 21325 1410 15 GA

EL2EV 21364 1914 20 MD

HK0HEU 21254 1355 23 VA

JT0NP 21219 1330 27 MA

OY9JD 21240 1942 21 VA

SU/ 21335 1755 18 GA

PA3AXU

T5GG 21208 1900 14 GA

UI8AY 21297 1247 25 NY

UI9BWE 21288 1315 25 NY

UJ8XDA 21316 1256 24 VT

UL8LYA 21227 1353 25 MA

VR6ID 21305 1923 28 CA

VU2GDG 21297 1620 24 IA

-----12 Meters-----

FM5WD 24900 2155 19 NM

VK1FT 24907 2340 18 NM

-----10 Meter CW-----

3B8CF 28030 1421 26 FL

CE0FFD 28009 1758 25 FL

CE0FFD 28015 2231 27 MI

CE0ZIP 28022 1743 26 NM

CN8FC 28042 1820 23 NB

EA6ZY 28026 1659 24 KY

FO/ 28022 2049 27 MO

DL4MBE

PA3ERC 28037 1841 23 CA

PZ1AV 28021 1500 26 FL

T22VU 28027 0020 29 IA

T30MA 28006 2200 27 NJ

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CALENDAR

Issue 432 - April 8, 1988

(Changes and hot info in boldface.)

Andorra - C3	by KK4AJ soon	I429
Amsterdam - FT8Z	FT5ZB 1832 14-1500Z 7006 0100Z	I426 I428
Antarctica - 4K	4K1J 2330-0230Z	I428
Aruba - P4	P40P June 15-22	I431
Bahamas - C6	DK6NN/C6A to Apr 20	I431
Central Africa TL	TL8TG mid-April	I432
China - BY	20 M CW/SSB 0030-01Z BY6 soon?	I423 I431
Congo - TN	BY by NS7Z to Apr 25	I432
Curaco - PJ2	by N4NW late April	I432
Faroes - OY	PJ2/N5RM May 24-31	I427
F. Polynesia F00	OY/DK9FE May 8-27 CW	I424
Guinea - 3X	by DL4MBE now	I431
Guinea-Bissau J5	3X0A Mar 25-Apr 7	I429
India - VU	J52US 1827 2345Z 21225 1330Z	I426 I428
Kerguelen - FT-X	AT0T WPX CW	I429
Kingman - KH5K	VU2ZAP 21002 1600Z	I431
Maldives - 8Q7	FT2XE now active	I428
Midway - KH4	K9AJ/KH5K Apr 23-30	I431
Nepal - 9N	by DA2ER to May 11	I432
Pakistan - AP	NY6M/KH4	I427
Palmyra - KH5	9N1MM 14236 00Z Wed	I428
Pitcairn - VR6	AP2MQ 14185 0200Z	I428
Nicobar - VU4	W0LRX/KH5 May 1-7	I431
Nigeria - 5N	VR6ID 21305 1700Z	I425
Rodriguez - 3B9	by VU2RBI soon ?	I428
Saba Is. - PJ	5N0WRE 15 SSB 1700Z	I420
St. Kitts - V4	3797 at 0600Z	I428
	3B9FR 14008 at 1400Z	I431
	PJ0M 6M Jul 7-14	I430
	V47KLC Apr. 1-15	I430

South Cooks ZK1	by G3MCN to Apr. 20	I428
Spratly - 1S	by DUs in April ?	I428
Sri Lanka - 4S7	by VK3DXI to mid-Apr.	I430
Tuvalu - T2	CQWW SSB by K8JRK	I432
U.A.E. - A6	A61AB 1500Z 14240Z	I430
West Sahara - SØ	SØRASD 14183 1800Z	I424
Zaire - 9Q	9Q5NW 21250 1930Z+	I420
	1827.5 kHz at 0430Z	I420
	9Q5DA 7005 0530Z	I421
	14003 2130Z 15M CW 2100Z	

Zone 23 - BTØ		
DX Activities and Contests		
Date	Event or Activity	Info
April 22-24	Visalia DX Conv.	TDXB
April 29-May 1	Dayton Hamvention	
May 14-15	Russian CQ-M Test	CQ
May 28-29	CQ WW WPX CW Test	CQ

Reserve Your Island Now!

Contributors

This Issue of The DX Bulletin would not have been possible without the invaluable assistance of the following: N4XX, KH6BZF, AB8K, K0CVD, K1IK, K1MEM, K2UFM, K4BAI, K4LNA, K7SLI, K8GG, K8NEU, K8NN, KA1XN, KA4YAE, KA7T, KB6QEW, KC3J, KD7SO, KE2BA, KE7X, KJ4VH, KK4LM, KM9J, KQ3S, KWØA, N1ACH, N1HN, N4PKL, NX7K, VE1ACK, VE3NQI, VE7HD, WØRJU, W1BFT, W1CYB, W1FV, W1HH, W1HZ, W1NH, W3FM, W3MF, W4FDA, W4VQ, W5SUV, W6BJI, W6JOX, W6TFO, W6UQF, W8KJP, WA1NPZ, WA7WOC, WB8LVA, WB8SFF, WB8ZRL, WJ6E, WK5X, W8IMZ, W6OKX, CX2CS, K8JRU, KT7H, VK2SG, K1VV, N4NW, KB2XR, and the Northern California DX Club.